

GenCore version 5.1.6  
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OM protein - protein search, using SW model

Run on: November 6, 2004, 19:23:00 ; Search time 62.6562 Seconds  
28.627 Million cell updates/sec

Title: US-10-618-644-1  
Perfect score: 26  
Sequence: 1 YVVFK 5

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 2002273 seqs, 35872939 residues

Total number of hits satisfying chosen parameters: 2002273

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0\$  
Maximum Match 0\$  
Listing first 45 summaries

Database : A\_Geneseq\_23Sep04:\*

1: geneseqD1900s:\*

2: geneseqD1990s:\*

3: geneseqD2000s:\*

4: geneseqD2001s:\*

5: geneseqD2002s:\*

6: geneseqD2003ab:\*

7: geneseqD2003bs:\*

8: geneseqD2004s:\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

#### SUMMARIES

Result No.	Query	Score	Match	Length	DB ID	Description
1	26	100.0	5	5	ABB1803	Abb1803 Soybean a
2	26	100.0	92	3	AAG13774	AAG13774 Arabidops
3	26	100.0	106	3	AAG13773	AAG13773 Arabidops
4	26	100.0	132	3	AAG24918	AAG24918 Arabidops
5	26	100.0	132	3	AAG23385	AAG23385 Arabidops
6	26	100.0	146	3	AAG24917	AAG24917 Arabidops
7	26	100.0	146	3	AAG29384	AAG29384 Arabidops
8	26	100.0	175	3	AAG24916	AAG24916 Arabidops
9	26	100.0	205	4	ADM19793	ADM19793 Protein e
10	26	100.0	226	5	ABP6325	Abp6325 Human ORF
11	26	100.0	242	4	ADM25743	ADM25743 Hyparther
12	26	100.0	244	6	ABP60069	ABP60069 B3GALT
13	26	100.0	269	7	ADM44940	ADM44940 Human TCH
14	26	100.0	309	4	ADM20048	ADM20048 Protein e
15	26	100.0	313	3	AAG36332	AAG36332 Arabidops
16	26	100.0	329	5	ABP38044	ABP38044 Staphyloc
17	26	100.0	341	3	AAG36331	AAG36331 Arabidops
18	26	100.0	346	3	AAG36330	AAG36330 Arabidops
19	26	100.0	346	7	ADM25629	ADM25629 Hyparther
20	26	100.0	380	7	ADC26211	ADC26211 Human NOV
21	26	100.0	380	7	Aam41205	Aam41205 Human pol
22	26	100.0	388	4	Aau81226	Aau81226 Human lun
23	26	100.0	391	8	ADL06559	ADL06559 Human tum
24	26	100.0	391	8	ABO01333	ABO01333 Human pro
25	26	100.0	416	6		

RESULT 1  
ID ABB1803 standard; peptide; 5 AA.  
XX  
AC ABB1803;  
XX  
DT 23-SEP-2002 (first entry)  
XX  
DE Soybean angiotensin converting enzyme inhibitory peptide #1.  
XX  
KW Soybean; angiotensin converting enzyme inhibitor; hypertension;  
KW hypotensive; taste.  
XX  
OS Glycine max.  
XX  
WO20025546-P1.  
XX  
PD 18-JUL-2002.  
XX  
PF 15-JAN-2002; 2002WO-JP000194.  
XX  
XX  
16-JAN-2001; 2001JP-00007400.  
PR 04-OCT-2001; 2001JP-00108974.  
XX  
(AJIN) AJINOMOTO CO INC.  
XX  
PI Kodera T, Nio N;  
XX  
DR WPI; 2002-520117/55.  
XX  
PT Peptides, useful as hypotensive agents or in health foods.  
XX  
PS Claim 1; Page 19; 43pp; Japanese.  
XX  
XX  
The invention relates to a novel set of peptides and their salts. The peptides of the invention have hypotensive activity. The peptides are used as hypotensive agents or in health foods, and have favourable taste. The present sequence represents a Peptide of the invention, having sequence 5 AA;

Query Match 1 YVVFK 5 | | | | |  
Best Local Similarity 100.0%; Mismatches 0; Indels 0; Gaps 0;

Db	1 YVVFK 5	
<b>RESULT 2</b>		
AAG13774		
ID	AAG13774 standard; protein; 92 AA.	
XX		
XX	AAG13774;	
AC		
XX		
DT	17-OCT-2000 (first entry)	
XX		
DE	Arabidopsis thaliana protein fragment SEQ ID NO: 13391.	
XX		
KW	Protein identification; signal transduction pathway; metabolic pathway;	
KW	hybridisation assay; Genetic mapping; gene expression control; promoter;	
KW	termination sequence.	
XX		
OS	Arabidopsis thaliana.	
XX		
PN	EP1033405-A2.	
XX		
PD	06-SEP-2000.	
XX		
PF	25-FEB-2000; 2000DEP-00301439.	
XX		
PR	25-FEB-1999; 99US-0121825P.	
PR	05-MAR-1999; 99US-0123180P.	
PR	09-MAR-1999; 99US-0123548P.	
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PR	06-APR-1999; 99US-0127462P.	
PR	08-APR-1999; 99US-0128234P.	
PR	16-APR-1999; 99US-0129845P.	
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PR	21-APR-1999; 99US-0130449P.	
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PR	30-APR-1999; 99US-0132407P.	
PR	04-MAY-1999; 99US-0132484P.	
PR	05-MAY-1999; 99US-0132485P.	
PR	06-MAY-1999; 99US-0132488P.	
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PR	14-MAY-1999; 99US-0134370P.	
PR	27-MAY-1999; 99US-0136023P.	
PR	19-MAY-1999; 99US-0134766P.	
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PR	20-AUG-1999;	99US-0149922P.									
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PR	26-AUG-1999;	99US-0150884P.									
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PR	27-AUG-1999;	99US-0151066P.									
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PR	31-AUG-1999;	99US-0151130P.									
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	XX	XX	KW	Protein identification; signal transduction pathway; metabolic pathway; hybridisation assay; genetic mapping; gene expression; gene expression control; promoter; termination sequence.							
	XX	XX	XX	Arabidopsis thaliana.							
	XX	XX	OS	EP1033405-A2.							
	XX	XX	PN	EP1033405-A2.							
	XX	XX	PD	06-SEP-2000.							
	XX	XX	PF	25-FEB-2000;	2000EP-00301439.						
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	XX	XX	PR	05-MAR-1999;	99US-0123180P.						
	XX	XX	PR	09-MAR-1999;	99US-0123548P.						
	XX	XX	PR	23-MAR-1999;	99US-0125788P.						
	XX	XX	PR	25-MAR-1999;	99US-0126264P.						
	XX	XX	PR	29-MAR-1999;	99US-0126785P.						
	XX	XX	PR	01-APR-1999;	99US-0127462P.						
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RESULT 3  
AAG13773 standard; protein: 106 AA.  
ID AAG13773  
XX



KW hybridisation assay; genetic mapping; gene expression control; promoter;  
KW termination sequence.

OS *Arabidopsis thaliana*.

XX EP1033405-A2.

XX 06-SEP-2000.

PD 25-FEB-2000; 20000BP-00301439.

XX PR 25-FEB-1999; 99US-0121825P.

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PR 09-MAR-1999; 99US-0123548P.

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AC	AAG29385;							
XX	17-OCT-2000	(first entry)						
XX	Aribidopsis thaliana protein fragment	SEQ ID NO: 34955.						
KW	Protein identification; signal transduction pathway; metabolic pathway;							
KW	hybridisation assay; generic mapping; gene expression control; promoter;							
KW	termination sequence.							
DE	Arabidopsis thaliana.							
OS	Arabidopsis thaliana.							
XX	EP1033405-A2.							

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Query	Score	Length	Best Local Similarity	Pred. No.	Mismatches	Indels	Gaps
Qy	100.0%	252	100.0%	3.1e+02	0	0	0
Db	5	26	Conservative	0	0	0	0

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 AC      AAG24917;  
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 DT      17-OCT-2000 (first entry)  
 DE      *Arabidopsis thaliana* protein fragment SEQ ID NO: 28773.  
 XX  
 KW      protein identification; signal transduction pathway; metabolic pathway;  
 KW      hybridisation assay; genetic mapping; gene expression control; promoter;  
 KW      termination sequence.  
 XX  
 OS      *Arabidopsis thaliana*.  
 XX  
 PN      EP1033405-A2.  
 XX  
 PD      06-SEP-2000.  
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 PF      20000EP-00301439.  
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 Best Local Similarity 100.0%; Pred. No. 3.4e+02; Mismatches 0; Indels 0; Gaps 0;  
 Matches 5; Conservative 0; Nucleotides 0;

Qy 1 YVVFK 5  
 Db 36 YVVFK 40

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 ID XX  
 AC XX  
 DT 17-OCT-2000 (first entry)  
 XX Arabidopsis thaliana protein fragment SEQ ID NO: 34954.  
 DE Protein identification; signal transduction pathway; metabolic pathway;  
 KW hybridisation assay; genetic mapping; gene expression control; promoter;  
 KW termination sequence.  
 XX Arabidopsis thaliana.  
 OS  
 PN EP1033405-A2.  
 XX  
 PD 06-SEP-2000.  
 XX PF 25-FEB-2000; 2000EPB-00301439.  
 XX PR 25-PBB-1999; 99US-0121825P.  
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PR	04-AUG-1999;	99US-0147304P.	PR	28-OCT-1999;	99US-0161933P.
PR	05-AUG-1999;	99US-0147192P.	PR	29-OCT-1999;	99US-0162142P.
PR	05-AUG-1999;	99US-0147264P.	PR	29-OCT-1999;	99US-0162142P.
PR	06-AUG-1999;	99US-0147304P.	PR	29-OCT-1999;	99US-0162142P.
PR	06-AUG-1999;	99US-0147414P.	PR	29-OCT-1999;	99US-0162142P.
PR	09-AUG-1999;	99US-0147493P.	PR	29-OCT-1999;	99US-0162142P.
PR	09-AUG-1999;	99US-0147933P.	PR	29-OCT-1999;	99US-0162142P.
PR	11-AUG-1999;	99US-0148319P.	PR	29-OCT-1999;	99US-0162142P.
PR	12-AUG-1999;	99US-0148344P.	PR	29-OCT-1999;	99US-0162142P.
PR	13-AUG-1999;	99US-0148567P.	PR	29-OCT-1999;	99US-0162142P.
PR	13-AUG-1999;	99US-0148684P.	PR	29-OCT-1999;	99US-0162142P.
PR	16-AUG-1999;	99US-0149368P.	PR	29-OCT-1999;	99US-0162142P.
PR	17-AUG-1999;	99US-0149173P.	PR	29-OCT-1999;	99US-0162142P.
PR	18-AUG-1999;	99US-0149426P.	PR	29-OCT-1999;	99US-0162142P.
PR	20-AUG-1999;	99US-0149722P.	PR	29-OCT-1999;	99US-0162142P.
PR	20-AUG-1999;	99US-0149722P.	PR	29-OCT-1999;	99US-0162142P.
PR	23-AUG-1999;	99US-0149903P.	PR	29-OCT-1999;	99US-0162142P.
PR	23-AUG-1999;	99US-0149933P.	PR	29-OCT-1999;	99US-0162142P.
PR	25-AUG-1999;	99US-0150566P.	PR	29-OCT-1999;	99US-0162142P.
PR	26-AUG-1999;	99US-0150888P.	PR	29-OCT-1999;	99US-0162142P.
PR	27-AUG-1999;	99US-0151063P.	PR	29-OCT-1999;	99US-0162142P.
PR	27-AUG-1999;	99US-0151088P.	PR	29-OCT-1999;	99US-0162142P.
PR	30-AUG-1999;	99US-0151303P.	PR	30-AUG-1999;	99US-0162142P.
PR	31-AUG-1999;	99US-0151438P.	PR	01-SEP-1999;	99US-0151930P.
PR	01-SEP-1999;	99US-0151930P.	PR	01-SEP-1999;	99US-0152363P.
PR	01-SEP-1999;	99US-0152363P.	PR	10-SEP-1999;	99US-0153070P.
PR	13-SEP-1999;	99US-0153759P.	PR	13-SEP-1999;	99US-0155138P.
PR	15-SEP-1999;	99US-0154010P.	PR	23-SEP-1999;	99US-0155488P.
PR	16-SEP-1999;	99US-0154038P.	PR	24-SEP-1999;	99US-0155655P.
PR	20-SEP-1999;	99US-0154770P.	PR	28-SEP-1999;	99US-0158454P.
PR	22-SEP-1999;	99US-0155138P.	PR	28-SEP-1999;	99US-0158023P.
PR	23-SEP-1999;	99US-0155786P.	PR	08-OCT-1999;	99US-0158233P.
PR	24-SEP-1999;	99US-0156598P.	PR	12-OCT-1999;	99US-0158368P.
PR	28-SEP-1999;	99US-0156598P.	PR	13-OCT-1999;	99US-0159299P.
PR	29-SEP-1999;	99US-0157111P.	PR	13-OCT-1999;	99US-0159299P.
PR	05-OCT-1999;	99US-0157754P.	PR	16-OCT-1999;	99US-0161449P.
PR	06-OCT-1999;	99US-0157863P.	PR	19-OCT-1999;	99US-0130077P.
PR	08-OCT-1999;	99US-0158023P.	PR	21-OCT-1999;	99US-0130449P.
PR	14-OCT-1999;	99US-0159323P.	PR	23-OCT-1999;	99US-0130510P.

Query Match Score 26; DB 3; Length 146;  
Best Local Similarity 100.0%; Pred. No. 3.4e-02;  
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

RESULT 8  
AAG24916 standard; protein; 175 AA.  
ID AAG24916  
Match 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 YVVFK 5  
Db 36 YVVFK 40

RESULT 8  
AAG24916 standard; protein; 175 AA.  
ID AAG24916  
Match 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
XX AC AAG24916;  
XX AC AAG24916;  
XX DT 17-OCT-2000 (First entry)  
XX DE DE  
XX KW KW  
XX KW KW  
XX KW KW  
XX OS OS  
XX PN PN  
PR EP1033405-A2.

PR EP1033405-A2.

PR 06-SEP-2000.

PR 25-FEB-2000; 2000EP-00301439.

PR 25-FEB-1999; 99US-0121825P.  
PR 05-MAR-1999; 99US-0123180P.  
PR 09-MAR-1999; 99US-0123548P.  
PR 23-MAR-1999; 99US-0125788P.  
PR 25-MAR-1999; 99US-0126244P.  
PR 29-MAR-1999; 99US-0126785P.  
PR 01-APR-1999; 99US-0127462P.  
PR 06-APR-1999; 99US-0128214P.  
PR 08-APR-1999; 99US-0128714P.  
PR 16-APR-1999; 99US-0129845P.  
PR 19-APR-1999; 99US-0130077P.  
PR 21-APR-1999; 99US-0130449P.  
PR 01-APR-1999; 99US-0130510P.  
PR 23-APR-1999; 99US-0130911P.  
PR 28-APR-1999; 99US-0131449P.  
PR 28-APR-1999; 99US-0132048P.  
PR 30-APR-1999; 99US-0132407P.

PR	04-MAY-1999;	99US-0132484P.	PR	22-JUL-1999;	99US-0145085P.
PR	05-MAY-1999;	99US-0132485P.	PR	22-JUL-1999;	99US-0145087P.
PR	06-MAY-1999;	99US-0132486P.	PR	22-JUL-1999;	99US-0145099P.
PR	06-MAY-1999;	99US-0132487P.	PR	22-JUL-1999;	99US-0145122P.
PR	07-MAY-1999;	99US-0132863P.	PR	23-JUL-1999;	99US-014515P.
PR	11-MAY-1999;	99US-0132864P.	PR	23-JUL-1999;	99US-0145218P.
PR	14-MAY-1999;	99US-0134256P.	PR	23-JUL-1999;	99US-0145224P.
PR	14-MAY-1999;	99US-0134218P.	PR	23-JUL-1999;	99US-0145276P.
PR	14-MAY-1999;	99US-0134219P.	PR	26-JUL-1999;	99US-0145913P.
PR	14-MAY-1999;	99US-0134221P.	PR	27-JUL-1999;	99US-0145918P.
PR	14-MAY-1999;	99US-0134370P.	PR	27-JUL-1999;	99US-0145919P.
PR	18-MAY-1999;	99US-0134768P.	PR	28-JUL-1999;	99US-0145951P.
PR	19-MAY-1999;	99US-0134941P.	PR	02-AUG-1999;	99US-0146386P.
PR	20-MAY-1999;	99US-0135124P.	PR	02-AUG-1999;	99US-0146388P.
PR	01-JUN-1999;	99US-0135353P.	PR	02-AUG-1999;	99US-0146389P.
PR	21-JUN-1999;	99US-0135353P.	PR	02-AUG-1999;	99US-0146389P.
PR	24-MAY-1999;	99US-0125629P.	PR	03-AUG-1999;	99US-0147038P.
PR	25-MAY-1999;	99US-0136021P.	PR	03-AUG-1999;	99US-0147204P.
PR	08-JUN-1999;	99US-0136392P.	PR	04-AUG-1999;	99US-0147302P.
PR	10-JUN-1999;	99US-0136392P.	PR	04-AUG-1999;	99US-0147302P.
PR	18-JUN-1999;	99US-0137222P.	PR	05-AUG-1999;	99US-0147192P.
PR	01-JUN-1999;	99US-0137528P.	PR	05-AUG-1999;	99US-0147260P.
PR	04-JUN-1999;	99US-0127502P.	PR	06-AUG-1999;	99US-0147303P.
PR	07-JUN-1999;	99US-0137724P.	PR	06-AUG-1999;	99US-0147416P.
PR	08-JUN-1999;	99US-0138094P.	PR	06-AUG-1999;	99US-0147493P.
PR	10-JUN-1999;	99US-0138540P.	PR	09-AUG-1999;	99US-0147935P.
PR	18-JUN-1999;	99US-0138847P.	PR	09-AUG-1999;	99US-0147935P.
PR	01-JUN-1999;	99US-0139119P.	PR	10-AUG-1999;	99US-0148171P.
PR	14-JUN-1999;	99US-0139119P.	PR	11-AUG-1999;	99US-0148319P.
PR	16-JUN-1999;	99US-0139452P.	PR	12-AUG-1999;	99US-0148341P.
PR	16-JUN-1999;	99US-0139453P.	PR	13-AUG-1999;	99US-0148565P.
PR	17-JUN-1999;	99US-0139492P.	PR	13-AUG-1999;	99US-0148684P.
PR	18-JUN-1999;	99US-0139454P.	PR	16-AUG-1999;	99US-0149368P.
PR	18-JUN-1999;	99US-0139455P.	PR	17-AUG-1999;	99US-0149175P.
PR	18-JUN-1999;	99US-0139456P.	PR	18-AUG-1999;	99US-0149426P.
PR	18-JUN-1999;	99US-0139457P.	PR	20-AUG-1999;	99US-0149722P.
PR	18-JUN-1999;	99US-0139458P.	PR	20-AUG-1999;	99US-0149723P.
PR	18-JUN-1999;	99US-0139459P.	PR	23-AUG-1999;	99US-0149902P.
PR	18-JUN-1999;	99US-0139460P.	PR	23-AUG-1999;	99US-0149930P.
PR	18-JUN-1999;	99US-0139461P.	PR	25-AUG-1999;	99US-0150566P.
PR	18-JUN-1999;	99US-0139462P.	PR	26-AUG-1999;	99US-0150884P.
PR	18-JUN-1999;	99US-0139463P.	PR	27-AUG-1999;	99US-0151065P.
PR	18-JUN-1999;	99US-0139750P.	PR	27-AUG-1999;	99US-0151066P.
PR	21-JUN-1999;	99US-0139763P.	PR	27-AUG-1999;	99US-0151080P.
PR	22-JUN-1999;	99US-0139817P.	PR	30-AUG-1999;	99US-0151303P.
PR	23-JUN-1999;	99US-0139899P.	PR	31-AUG-1999;	99US-0151438P.
PR	23-JUN-1999;	99US-0140333P.	PR	01-SEP-1999;	99US-0151930P.
PR	23-JUN-1999;	99US-0140354P.	PR	07-SEP-1999;	99US-0152363P.
PR	24-JUN-1999;	99US-0140695P.	PR	10-SEP-1999;	99US-0153070P.
PR	06-JUL-1999;	99US-0140823P.	PR	13-SEP-1999;	99US-0153758P.
PR	08-JUL-1999;	99US-0140999P.	PR	15-SEP-1999;	99US-0154018P.
PR	09-JUL-1999;	99US-0141287P.	PR	16-SEP-1999;	99US-0156458P.
PR	12-JUL-1999;	99US-0141842P.	PR	29-SEP-1999;	99US-0156596P.
PR	01-JUL-1999;	99US-0142154P.	PR	20-SEP-1999;	99US-0171179P.
PR	02-JUL-1999;	99US-0142055P.	PR	04-OCT-1999;	99US-0175139P.
PR	14-JUL-1999;	99US-0144624P.	PR	05-OCT-1999;	99US-0175294P.
PR	15-JUL-1999;	99US-0144330P.	PR	06-OCT-1999;	99US-0175865P.
PR	16-JUL-1999;	99US-0142803P.	PR	07-OCT-1999;	99US-017659P.
PR	16-JUL-1999;	99US-0144086P.	PR	08-OCT-1999;	99US-0178232P.
PR	19-JUL-1999;	99US-0144335P.	PR	12-OCT-1999;	99US-0178330P.
PR	20-JUL-1999;	99US-0144332P.	PR	14-OCT-1999;	99US-0179331P.
PR	20-JUL-1999;	99US-0144684P.	PR	14-OCT-1999;	99US-0179584P.
PR	21-JUL-1999;	99US-0144614P.	PR	21-OCT-1999;	99US-016741P.
PR	21-JUL-1999;	99US-0145066P.	PR	21-OCT-1999;	99US-0160767P.

PR 21-OCT-1999; 99US-0160768P.  
 PR 21-OCT-1999; 99US-0160770P.  
 PR 21-OCT-1999; 99US-0160814P.  
 PR 21-OCT-1999; 99US-0160815P.  
 PR 22-OCT-1999; 99US-0160900P.  
 PR 22-OCT-1999; 99US-0160918P.  
 PR 22-OCT-1999; 99US-0160999P.  
 PR 25-OCT-1999; 99US-0161404P.  
 PR 25-OCT-1999; 99US-0161405P.  
 PR 25-OCT-1999; 99US-0161406P.  
 PR 26-OCT-1999; 99US-0161359P.  
 PR 26-OCT-1999; 99US-0161360P.  
 PR 26-OCT-1999; 99US-0161381P.  
 PR 28-OCT-1999; 99US-016120P.  
 PR 28-OCT-1999; 99US-0161922P.  
 PR 28-OCT-1999; 99US-0161933P.  
 PR 29-OCT-1999; 99US-0162142P.

RESULT 9  
 ADM19793  
 ID ADM19793 standard; protein; 205 AA.  
 XX  
 AC AC  
 XX  
 DT 20-MAY-2004 (first entry)  
 DE Protein encoded by novel human channel/transporter gene #111.  
 XX immunosuppressive; antiarthritic; antirheumatic; antiproliferative;  
 KW cytotoxic; cardiotonic; vaotropics; cerebroprotective; noctropic;  
 KW neuroprotective; antibacterial; virucide; ophthalmological;  
 KW gene therapy; channel/transporter protein; fungicidal; arthritis;  
 KW neoplasm; cardiac arrest; cerebrovascular disorder; cerebral ischemia;  
 KW angiogenesis; nervous system disorder; Alzheimer's disease;  
 KW ocular disorder; corneal infection; wound healing;  
 KW epithelial cell proliferation; skin aging; sunburn; transplantation;  
 KW chemotaxis; food additive.  
 XX  
 OS Homo sapiens.  
 XX  
 PN WO200154472-A2.  
 XX  
 PD 02-AUG-2001.  
 XX  
 PR 17-JAN-2001; 2001WO-US001307.  
 PR 31-JAN-2000; 2000US-0179065P.  
 PR 04-FEB-2000; 2000US-0180028P.  
 PR 24-FEB-2000; 2000US-0184664P.  
 PR 02-MAR-2000; 2000US-018650P.  
 PR 16-MAR-2000; 2000US-0189074P.  
 PR 17-MAR-2000; 2000US-0190076P.  
 PR 18-APR-2000; 2000US-0198123P.  
 PR 19-MAY-2000; 2000US-020515P.  
 PR 07-JUN-2000; 2000US-0209467P.  
 PR 28-JUN-2000; 2000US-0214986P.  
 PR 30-JUN-2000; 2000US-0215135P.  
 PR 07-JUL-2000; 2000US-0216647P.  
 PR 07-JUL-2000; 2000US-0216680P.  
 PR 11-JUL-2000; 2000US-0217487P.  
 PR 11-JUL-2000; 2000US-0217496P.  
 PR 14-JUL-2000; 2000US-0218290P.  
 PR 26-JUL-2000; 2000US-022063P.  
 PR 26-JUL-2000; 2000US-022064P.

Query Match 100 %; Score 26; DB 3; Length 175;  
 Best Local Similarity 100 %; Pred. No. 4.2e+02;  
 Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy	1 YVVFK 5
Db	65 YVVFK 69

PR 08-NOV-2000; 2000US-0246477P.  
 PR 08-NOV-2000; 2000US-0246478P.  
 PR 08-NOV-2000; 2000US-0246523P.  
 PR 08-NOV-2000; 2000US-0246524P.  
 PR 08-NOV-2000; 2000US-0246525P.  
 PR 08-NOV-2000; 2000US-0246526P.  
 PR 08-NOV-2000; 2000US-0246527P.  
 PR 08-NOV-2000; 2000US-0246528P.  
 PR 08-NOV-2000; 2000US-0246532P.  
 PR 08-NOV-2000; 2000US-0246609P.  
 PR 08-NOV-2000; 2000US-0246610P.  
 PR 08-NOV-2000; 2000US-0246611P.  
 PR 08-NOV-2000; 2000US-0246613P.  
 PR 17-NOV-2000; 2000US-0246620P.  
 PR 17-NOV-2000; 2000US-0246621P.  
 PR 17-NOV-2000; 2000US-0246621P.  
 PR 17-NOV-2000; 2000US-0249212P.  
 PR 17-NOV-2000; 2000US-0249213P.  
 PR 17-NOV-2000; 2000US-0249214P.  
 PR 17-NOV-2000; 2000US-0249215P.  
 PR 17-NOV-2000; 2000US-0249216P.  
 PR 17-NOV-2000; 2000US-0249217P.  
 PR 17-NOV-2000; 2000US-0249218P.  
 PR 17-NOV-2000; 2000US-0249244P.  
 PR 17-NOV-2000; 2000US-0249245P.  
 PR 17-NOV-2000; 2000US-0249246P.  
 PR 17-NOV-2000; 2000US-0249265P.  
 PR 17-NOV-2000; 2000US-0249297P.  
 PR 17-NOV-2000; 2000US-0249329P.  
 PR 01-DEC-2000; 2000US-0249330P.  
 PR 01-DEC-2000; 2000US-0250160P.  
 PR 01-DEC-2000; 2000US-0250319P.  
 PR 05-DEC-2000; 2000US-0251030P.  
 PR 05-DEC-2000; 2000US-0251988P.  
 PR 05-DEC-2000; 2000US-056719P.  
 PR 08-DEC-2000; 2000US-0251479P.  
 PR 08-DEC-2000; 2000US-0251856P.  
 PR 08-DEC-2000; 2000US-0251868P.  
 PR 08-DEC-2000; 2000US-0251899P.  
 PR 08-DEC-2000; 2000US-0251910P.  
 PR 11-DEC-2000; 2000US-0254097P.  
 PR 05-JAN-2001; 2001US-0253678P.  
 XX PA (HUMA-) HUMAN GENOME SCI INC.  
 XX PI Rosen CA, Barash SC, Ruben SM;  
 DR N-PSDB; Adm1934.  
 XX PT Isolated nucleic acid molecule encoding a channel/transporter protein is used in preventing, treating or ameliorating a medical condition.  
 PS Claim 11; SEQ ID NO 600; 809PP; English.  
 XX DR WPI: 2001-476159/51.

CC The polypeptides can also be used to aid wound healing and epithelial cell proliferation, to prevent skin aging due to sunburn, to maintain organs before transplantation, for supporting cell culture of primary tissues, to regenerate tissues and in chemotaxis. The polypeptides can also be used as a food additive or preservative to increase or decrease storage capabilities. This sequence corresponds to a protein of the invention.  
 XX Sequence 205 AA:  
 SQ Query Match Score 26; DB 4; Length 205;  
 Best Local Similarity 100.0%; Pred. No. 5e+02;  
 Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
 YYVFK 5  
 QY 1 YYVFK 5  
 Db 117 YYVFK 121  
 RESULT 10  
 ABP06325 Standard; protein; 226 AA.  
 ID ABP06325 ID NO:12632.  
 XX Human ORFX protein sequence SEQ ID NO:12632.  
 XX DE Human; open reading frame; ORFX; gene therapy; cancer; cirrhosis;  
 AC AC hyperproliferative disorder; psoriasis; benign tumour; haemorrhage;  
 XX degenerative disorder; osteoarthritis; neurodegenerative disorder;  
 KW cardiovascular disease; diabetes mellitus; systemic lupus erythematosus;  
 KW hypertension; hypothyroidism; cholesterol ester storage disease;  
 KW immune deficiency; immune disorder; infectious disease;  
 KW autoimmune disorder; rheumatoid arthritis; autoimmune thyroiditis;  
 KW myasthenia gravis.  
 XX Homo sapiens.  
 OS OS WO20019523-A2.  
 XX WO20019523-A2.  
 XX PR 06-DEC-2001.  
 XX PD 06-DEC-2001.  
 XX PF 29-MAY-2001; 2001WO-US510836.  
 XX PR 30-MAY-2000; 2000US-0206132P.  
 XX PR 29-AUG-2000; 2000US-0228716P.  
 XX (CURA-) CURAGEN CORP.  
 XX PI Shlimkets RA, Leach MD;  
 XX DR WPI: 2002-105308/14.  
 XX DR N-PSDB; ABN2207.  
 XX Disclosure; SEQ ID NO 12632; 1037PP; English.  
 PT Novel human polypeptides and polynucleotides useful for diagnosing, preventing and treating cardiovascular disease, neurodegenerative, hyperproliferative disorders and autoimmune disorders.  
 PT The present invention describes substantially purified human proteins referred to as open reading frame, ORFX, where X is 1-11491 (see Table 1 in the specification). ABN15762 to ABN27252 encode the human ORFX proteins given in ABP0010 to ABP11500. ORFX proteins are useful for treating or preventing a pathology associated with an ORFX-associated disorder in humans, and in the manufacture of a medicament for treating a syndrome associated with ORFX-associated disorder. ORFX polynucleotide sequences can be used in gene therapy. ORFX sequences can be used in the treatment of cancer, hyperproliferative disorders, cirrhosis of liver, porosis, benign tumours, keloid, degenerative disorders, haemorrhage, osteoarthritis, neurodegenerative disorders, disorders related to organ

CC transplantation, cardiovascular diseases, diabetes mellitus, systemic  
 CC lupus erythematosus, hypertension, hypothyroidism, cholesterol ester  
 CC storage disease, various immune deficiencies and disorders, infectious  
 CC diseases, autoimmune disorders such as multiple sclerosis, rheumatoid  
 CC arthritis, autoimmune thyroiditis, myasthenia gravis, graft-versus-host  
 CC disease and autoimmune inflammatory eye disease. ORX proteins are also  
 CC useful for treating burns, incisions, ulcers, for treating osteoporosis,  
 CC bone degenerative disorders, or periodontal disease, and for gut  
 CC protection or regeneration and treatment of lung or liver fibrosis,  
 CC reperfusion injury in various tissues and conditions resulting from  
 CC systemic cytokine damage. N.B. The sequence data for this patent did not  
 CC form part of the printed specification, but was obtained in electronic  
 CC form directly from WIPO at [ftp://wipo.int/pub/published\\_pct Sequences](ftp://wipo.int/pub/published_pct Sequences)  
 XX Sequence 226 AA;

Query Match 100.0%; Score 26; DB 5; Length 226;  
 Best Local Similarity 100.0%; Pred. No. 5.5e+02;  
 Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
 Qy 1 YYVFK 5  
 Db 168 YYVFK 172

RESULT 11  
 ADM25743  
 ID ADM25743 standard; protein; 242 AA.  
 XX  
 AC ADM25743;  
 XX  
 20-MAY-2004 (first entry)  
 XX Hyperthermophile Methanopyrus kandleri protein #349.  
 DE  
 KW hyperthermophile; protein stability enhancement;  
 KW protein activity enhancement.  
 XX  
 Methanopyrus kandleri.  
 XX  
 WO2003076575-A2.  
 XX  
 18-SEP-2003.  
 PD  
 04-MAR-2003; 2003WO-US006664.  
 PF  
 04-MAR-2002; 2002US-0361742P.  
 PR  
 14-MAY-2002; 2002US-0380423P.  
 16-SEP-2002; 2002US-0410974P.  
 XX  
 PA (FIDE-) FIDELITY SYSTEMS INC.  
 PA (NALLY/) MALYKH A.  
 XX  
 Slesarev AI, Pavlov A, Pavlova N, Kozyavkin S;  
 XX  
 DR WPI; 2003-748383/710.  
 DR N-PSDB; ADM27081.  
 PR New isolated nucleic acids encoding any of about 1700 Methanopyrus  
 PR kandleri proteins, and the encoded proteins, useful as a medicaments or  
 PR as diagnostic agents.  
 XX  
 Claim 31; SEQ ID NO 349; 1023pp; English.

CC The invention comprises the amino acid sequence of proteins from the  
 CC hyperthermophile Methanopyrus kandleri, the invention also comprises the  
 CC complete genome from Methanopyrus kandleri. The Methanopyrus kandleri  
 CC proteins of the invention are useful for enhancing the stability and/or  
 CC activity of other proteins. The Methanopyrus kandleri genome is useful in  
 CC a variety of diagnostic and analytical methods. The present amino acid  
 CC sequence represents a Methanopyrus kandleri protein of the invention.  
 XX Sequence 242 AA;

CC The invention relates to identifying a candidate p53 pathway modulating  
 CC agent in humans that is referred to in the specification as BGALT (beta-  
 CC 1,3 galactosyltransferase). Also disclosed is a method for diagnosing a  
 CC disease in a patient, by contacting sample with a probe for  
 CC expression, and comparing the results with a control, and determining  
 CC whether the results indicate a likelihood of disease. Methods and  
 CC compositions of the invention are useful for the diagnosis and treatment  
 CC of disorders associated with defects in the p53 pathway, such as cancer  
 CC of the breast, colon, kidneys, lung and ovary. The current sequence  
 XX represents a BGALT polypeptide sequence of the invention  
 XX Sequence 244 AA;

Query Match 100.0%; Score 26; DB 6; Length 244;  
 Best Local Similarity 100.0%; Pred. No. 6e+02;  
 Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
 Qy 1 YYVFK 5  
 Db 133 YYVFK 137

RESULT 13  
 ADH44940

ID ADH44940 standard; protein; 269 AA.  
 XX  
 AC  
 XX  
 DT 25-MAR-2004 (first entry)  
 XX  
 DE Human TCH174 partial protein SEQ ID NO:16.  
 XX  
 KW human; TCH174; haemostatic; nephrotropic; cerebroprotective;  
 KW neuroprotective; antiinflammatory; cytosolic; digestive disease;  
 KW blood disease; spleen disease; pancreas disease; kidney disease;  
 KW central nervous system; inflammatory disease; cancer;  
 KW sugar nucleotide transport.  
 XX  
 OS Homo sapiens.  
 XX  
 PN WO2003022178-A1.  
 XX  
 PD 27-MAR-2003.  
 XX  
 PF 13-SEP-2002; 2002WO-UP009445.  
 XX  
 PR 17-SEP-2001; 2001JP-002882013.  
 PR 02-OCT-2001; 2001JP-00306861.  
 XX  
 PA (TAKE ) TAKEDA CHEM IND LTD.  
 XX  
 PI Nakanishi A, Uno Y, Sagiya Y;  
 XX  
 WPI; 2003-313355/30.  
 XX  
 PT Novel protein with sugar nucleotide transport activity and encoded DNA,  
 PT applicable in diagnosis and developing drugs for e.g. digestive  
 PT diseases, blood diseases, and spleen diseases.  
 XX  
 PS Claim 36; SEQ ID NO 16; 113pp; Japanese.  
 XX  
 The invention relates to a novel protein containing an amino acid  
 CC sequence identical or substantially similar to that of AH44925 with 416  
 CC amino acids, or its salt. A protein of the invention has haemostatic,  
 CC nephrotropic, cerebroprotective, antiinflammatory, and  
 CC cytosolic activity. The protein and the DNA encoding it are applicable  
 CC in the diagnosis of and developing drugs for digestive diseases, blood  
 CC diseases, spleen diseases, pancreas diseases, diseases  
 CC of the central nervous system, inflammatory diseases or cancer. The  
 CC protein has sugar nucleotide transport activity. The present sequence  
 CC represents a fragment of the protein of the invention.  
 XX  
 Sequence 269 AA;  
 SQ Query Match 100.0%; Score 26; DB 7; Length 269;  
 Best Local Similarity 100.0%; Pred. No. 6.7e+02;  
 Matches 5; Conservative 0; Nismatches 0; Indels 0; Gaps 0;  
 YYVFK 5  
 DB 60 YYVFK 64

RESULT 14  
 ADM20048 standard; protein; 309 AA.  
 XX  
 AC ADM20048;  
 XX  
 DT 20-MAY-2004 (first entry)  
 XX  
 DE Protein encoded by novel human channel/transporter gene #111 clone 2.  
 XX  
 KW immunosuppressive; antiarthritic; antirheumatic; antiproliferative;  
 KW cytostatic; cardiotropic; vasotrophic; cerebroprotective; nootropic;  
 KW neuroprotective; antibacterial; fungicide; virucide; ophthalmological;  
 KW gene therapy; channel/transporter protein; rheumatoid arthritis;

PR 14-SEP-2000; 2000US-0233065P.  
 PR 21-SEP-2000; 2000US-0234223P.  
 PR 21-SEP-2000; 2000US-0234274P.  
 PR 25-SEP-2000; 2000US-0234997P.  
 PR 25-SEP-2000; 2000US-0234998P.  
 PR 26-SEP-2000; 2000US-0235488P.  
 PR 27-SEP-2000; 2000US-0235834P.  
 PR 27-SEP-2000; 2000US-0235835P.  
 PR 29-SEP-2000; 2000US-0236322P.  
 PR 29-SEP-2000; 2000US-0236367P.  
 PR 29-SEP-2000; 2000US-0236368P.  
 PR 29-SEP-2000; 2000US-0236369P.  
 PR 02-OCT-2000; 2000US-0236707P.  
 PR 02-OCT-2000; 2000US-0237038P.  
 PR 02-OCT-2000; 2000US-0237039P.  
 PR 02-OCT-2000; 2000US-0237040P.  
 PR 13-OCT-2000; 2000US-0239933P.  
 PR 13-OCT-2000; 2000US-0239934P.  
 PR 20-OCT-2000; 2000US-0240956P.  
 PR 20-OCT-2000; 2000US-0241223P.  
 PR 20-OCT-2000; 2000US-0241788P.  
 PR 20-OCT-2000; 2000US-0241789P.  
 PR 20-OCT-2000; 2000US-0241789P.  
 PR 20-OCT-2000; 2000US-0241808P.  
 PR 20-OCT-2000; 2000US-0241809P.  
 PR 20-OCT-2000; 2000US-0241820P.  
 PR 01-NOV-2000; 2000US-0244614P.  
 PR 08-NOV-2000; 2000US-0246474P.  
 PR 08-NOV-2000; 2000US-0246475P.  
 PR 08-NOV-2000; 2000US-0246476P.  
 PR 08-NOV-2000; 2000US-0246477P.  
 PR 08-NOV-2000; 2000US-0246478P.  
 PR 08-NOV-2000; 2000US-0246522P.  
 PR 08-NOV-2000; 2000US-0246523P.  
 PR 08-NOV-2000; 2000US-0246533P.  
 PR 08-NOV-2000; 2000US-0246536P.  
 PR 08-NOV-2000; 2000US-0246527P.  
 PR 08-NOV-2000; 2000US-0246532P.  
 PR 08-NOV-2000; 2000US-0246609P.  
 PR 08-NOV-2000; 2000US-0246610P.  
 PR 08-NOV-2000; 2000US-0246613P.  
 PR 17-NOV-2000; 2000US-0249207P.  
 PR 17-NOV-2000; 2000US-0249208P.  
 PR 17-NOV-2000; 2000US-0249209P.  
 PR 17-NOV-2000; 2000US-0249210P.  
 PR 17-NOV-2000; 2000US-0249212P.  
 PR 17-NOV-2000; 2000US-0249213P.  
 PR 17-NOV-2000; 2000US-0249214P.  
 PR 17-NOV-2000; 2000US-0249215P.  
 PR 17-NOV-2000; 2000US-0249216P.  
 PR 17-NOV-2000; 2000US-0249217P.  
 PR 17-NOV-2000; 2000US-0249218P.  
 PR 17-NOV-2000; 2000US-0249244P.  
 PR 01-DEC-2000; 2000US-0249245P.  
 PR 01-DEC-2000; 2000US-0249264P.  
 PR 05-DEC-2000; 2000US-0251030P.  
 PR 05-DEC-2000; 2000US-0251031P.  
 PR 06-DEC-2000; 2000US-0251479P.  
 PR 08-DEC-2000; 2000US-0251868P.  
 PR 08-DEC-2000; 2000US-0251869P.

PR 08-DEC-2000; 2000US-0251989P.  
 PR 08-DEC-2000; 2000US-0251990P.  
 PR 11-DEC-2000; 2000US-025497P.  
 PR 05-JAN-2001; 2001US-0254978P.  
 XX (HUMA-) HUMAN GENOME SCI INC.  
 XX  
 PI Rosen CA, Barash SC, Ruben SM,  
 XX  
 DR WPI; 2001-476159/51.  
 XX N-PSDB; ADM19569.  
 XX  
 PT Isolated nucleic acid molecule encoding a channel/transporter protein is used in preventing, treating or ameliorating a medical condition.  
 PT  
 XX  
 PS Claim 11; SEQ ID NO 855; 809pp; English.  
 XX  
 The invention relates to an isolated nucleic acid molecule encoding a channel/transporter protein or sequences at least 95% identical to a these. The nucleic acids and proteins encoded by them are used to prevent, treat or ameliorate a medical condition in e.g. humans, mice, rabbits, goats, horses, cats, dogs, chickens or sheep. They are also used in diagnosing a pathological condition or susceptibility to a pathophysiological condition. The antibodies to the proteins can also be used in alleviating symptoms associated with the disorders and in diagnostic immunoassays e.g. radioimmunoassays or enzyme linked immunosorbent assays (ELISA). Disorders which are diagnosed or treated include autoimmune diseases e.g. rheumatoid arthritis, hyperproliferative disorders e.g. neoplasms of the breast or liver, cardiovascular disorders e.g. cardiac arrest, cerebrovascular disorders e.g. cerebral ischemia, angiogenesis, nervous system disorders e.g. Alzheimer's disease, infections caused by bacteria, viruses and fungi and ocular disorders e.g. corneal infection. The polypeptides can also be used to aid wound healing and epithelial cell proliferation, to prevent skin aging due to sunburn, to maintain organs before transplantation, for supporting cell culture of primary tissues, to regenerate tissues and in chemotaxis. The polypeptides can also be used as a food additive or preservative to increase or decrease storage capabilities. This sequence corresponds to a protein of the invention.  
 XX  
 Sequence 309 AA;  
 SQ Query Match 100.0%; Score 26; DB 4; Length 309;  
 Best Local Similarity 10.0%; Pred. No. 7.8e+02;  
 Matches 5; Conservative 0; Mismatches 0;  
 Indels 0; Gaps 0;  
 Qy 1 YVVFK 5  
 Db ||||| 126 YVVFK 130  
 XX  
 RESULT 15  
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 ID AAG36332 standard; protein; 313 AA.  
 XX  
 AC AAG36332;  
 XX  
 DT 18-OCT-2000 (First entry)  
 XX  
 Arabidopsis thaliana protein fragment SEQ ID NO: 44510.  
 DE  
 XX  
 Protein identification; signal transduction pathway; metabolic pathway; hybridisation assay; genetic mapping; gene expression control; promoter; termination sequence.  
 KW  
 XX  
 Arabidopsis thaliana.  
 OS  
 XX  
 EP1033405-A2.  
 PN  
 XX  
 PD 06-SEP-2000.  
 XX  
 PR 25-FEB-2000; 2000EP-00301439.

PR	25-FEB-1999;	990US-0121825P.	PR	13-JUL-1999;	99US-0143542P.
PR	05-MAR-1999;	990US-0123180P.	PR	14-JUL-1999;	99US-0143624P.
PR	09-MAR-1999;	990US-0123549P.	PR	15-JUL-1999;	99US-0144005P.
PR	23-MAR-1999;	990US-0125788P.	PR	16-JUL-1999;	99US-0144085P.
PR	25-MAR-1999;	990US-0126264P.	PR	16-JUL-1999;	99US-0144086P.
PR	29-MAR-1999;	990US-01267785P.	PR	19-JUL-1999;	99US-0144323P.
PR	01-APR-1999;	990US-0127462P.	PR	19-JUL-1999;	99US-0144331P.
PR	06-APR-1999;	990US-0128234P.	PR	19-JUL-1999;	99US-0144332P.
PR	08-APR-1999;	990US-0128714P.	PR	19-JUL-1999;	99US-0144333P.
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PR	04-OCT-1999;	99US-0157117P.
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PR	06-OCT-1999;	99US-01578653P.
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Best Local Similarity	100.0%	Pred. No. 7.9e+02;			
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Dy 26 YVVEK 30

Search completed: November 6, 2004, 19:45:29  
Job time : 67.6562 secs

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